

ABSTRACT OF THE DISCLOSURE

A process for manufacturing an electroluminescence tube or wire is as follows: coating or extruding directly on outer surface of a linear central electrode of an electrical field of electroluminescence wire which made of at least one metal or non-metal wire, with a luminescent layer made from a mixture of luminescent powder and transparent thermoplastic macromolecular polymer or synthetic resin; evenly coating a layer of transparent electrode on the outer surface of luminescent layer; winding an accessory electrode on the outer surface of the layer of transparent electrode; and finally coating a layer of transparent polymer at the outmost layer. Transparent thermoplastic polymer or synthetic resin has good insulating and dielectric performance, when mixed with luminescent powder, an insulating and dielectric film can be formed on the surface of granules of luminescent powder. The luminescent layer made from this mixture can be directly covered or coated on central electrode, which process can omit the necessity of using insulating medium coating, thus can help reducing cost.